



Swagelok Advanced Bending Program—Level 2

The Swagelok Advanced Bending Program enhances your bending capabilities and allows you to accurately layout, calculate and bend virtually an angle, in any direction.

This program is the next in the progression from our Level One Swagelok Certified Installation Training Program.

This new program takes you to the next level of tube bending technology, features the Bend Deduction Method of calculation and bending.

This Challenging program ensures that you achieve accurate and efficient bends the first time, reducing both setup time and scrap. Because you will learn the optimum tube system layout you'll also reduce the number of connections in your system.

This program is designed to challenge you in an interactive environment, in all aspects of tube bending; from measuring and calculating, to layouts and bending.

Program Benefits

Reduced Installation times & improved productivity • Reduce Material costs • Improved System Performance & increased equipment efficiency • Lower maintenance costs • Reduction in Maintenance requirements • Reduced energy costs • Improved safety • Attendee certification “Recognized” & “Portable” • Can be incorporated into ISO “Quality” Programs

Course outline

- Tube bending overview
- Components of hand, bench top & Electric benders
- Tube bending variable
 - Adjustment (Gain) - Spring back & Stretch—Minimum straight lengths, changes in direction & plane
- Bend Layout
 - Dimensioning—Offset bends
- The Bend deduction method for bend layouts
 - Bend deduction—Bend length—bend allowance
- Eight different practical bending exercises utilizing various tools & sizes
- Two final practical certifications



Each attendee will receive: Comprehensive workbook, Calculation worksheets, Swagelok Pocket catalogue, Swagelok Pocket protector & Pen, Multiple size gap inspection gage, Swagelok hand gripper, & Swagelok hand tube bender manual & benchtop bender instruction.

\$585.00 per attendee

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